



# Jowat

## CORPORATION

### MATERIAL SAFETY DATA SHEET

1. This sheet is to be used with the product name and identification number listed on the label.

*Ever Seal - glue*

#### PRODUCT - INFORMATION

Jowatak, Jowacoll, Jowaplast Adhesives AS LISTED IN LIST JOWAT015L  
(SEE ATTACHED LIST JOWAT015L FOR SPECIFIC PRODUCT IDENTITY)  
PRODUCT CLASS: Waterbased Synthetic Emulsion

#### SECTION I - GENERAL INFORMATION

MANUFACTURER: JOWAT CORPORATION  
6058 LOIS LANE - RANDOLPH INDUSTRIAL PARK  
ARCHDALE NC 27363

EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 (CHEMTREK 24 HOURS)  
INFORMATION TELEPHONE NUMBER: 1-910-431-7128

DATE PREPARED: 07/20/94  
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PREPARED BY: Sharon Sink

#### SECTION II - HAZARDOUS INGREDIENTS

Ingredient	CAS#	wt	OSHA	OACGIH
			PEL [mg/m3]	TLV [mg/m3]
Di Ethyleneglycol	111-46-6	3-10	NE	NE
Manganeseoxide*	1313-13-9	0-1	5	5

\*valid only for brown colored products  
NE=not established

#### SECTION III - PHYSICAL DATA

Melting Point: N/A  
Boiling Point: 100°C (like water)  
Volatiles: 32-60  
Water Solubility: dispersible  
Odor: mild acetic odor, possible slight ammonia odor.  
Form: milky emulsion if natural; colored brown otherwise.

#### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flashpoint: above 95°C (203 °F) COC  
Fire and explosion hazards: none known to Jowat Corporation  
Hazardous Combustion Products: like most organic products it may form carbonmonoxide, -dioxide, and other byproducts.  
Extinguishing media: water fog, carbon dioxide, foam, dry chemical  
Special firefighting procedures: wear self contained breathing apparatus if exposed to fumes.

## SECTION V - REACTIVITY DATA

Stability: stable

Conditions to avoid: none known to Jowat Corporation

Materials to avoid: contact with strong oxidizing agents.

Hazardous decomposition and byproducts: like most organic materials it may form carbon monoxide, -dioxide and others.

Hazardous polymerization: will not occur.

## SECTION VI - HEALTH HAZARD DATA

Route(s) of entry:

-inhalation: of vapors when opening the container

-ingestion: very unlikely

-skin: skin contact is primary route of entry

Health Hazards:

Acute:

Eye contact: can cause moderate irritation, redness and tearing.

Skin contact: prolonged or repeated contact can cause moderate irritation, defatting or dermatitis.

Inhalation: breathing of mist can cause irritation of nasal and respiratory passages. Higher temperatures may generate vapors sufficient to cause drowsiness and headache.

Ingestion: can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Large amounts of diethylene glycol may result in toxic effects on the central nervous system, gastrointestinal tract, kidney and liver. A single large dose may cause severe damage or be fatal.

Carcinogenicity:

-NTP: not listed

-IARC: not listed

-OSHA: not regulated

Signs and Symptoms of Overexposure:

-Eyes: vapors may cause slight irritation or redness

-Skin: may cause irritation or rash upon prolonged contact

-Inhalation: N/A

-Chronic: see below

Chronic Health Hazards:

Excessive exposure by any route may cause degeneration of the kidney and, to a lesser extent, the liver. In animal studies, formation of bladder stones and secondary bladder cancer has been observed.

Manganese poisoning is difficult to recognize. Headache, hypersomnia, spasms weakness of the legs, arthralgias and irritability are frequently noted. Progression of the disease results in varied neurological manifestations such as disturbances of speech, gait, balance and tremors.

Medical Conditions generally aggravated by exposure: may adversely affect existing medical conditions such as renal, hepatic, and neurological disorders.

Emergency and First Aid Procedures:

-Eyes: flush with plenty of water; if irritation appears consult physician.

-Skin: flush with plenty of soap and water; if irritation appears

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consult physician.

-Inhalation; remove to fresh air; if breathing stops administer respiration or oxygen; call a physician.

-Ingestion; induce vomiting after drinking two glasses of water or milk. Consult a physician.

#### **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be taken in case material is released or spilled:  
Flush material into suitable retaining areas or containers with large amounts of water. Smaller spills may be absorbed with sawdust or appropriate absorbant. Dispose of accordingly. Prevent spilled liquid from entering sewers, storm drains or other unauthorized systems.

Waste Disposal Method: Dispose of in compliance with Federal, State and Local regulations.

Precautions to be taken in handling and storage:

Store containers in dry, clean and cool area with adequate ventilation. Keep containers closed when not in use. Avoid subjecting material to extreme temperature variation and frost.

Other precautions: none known to Jowat Corporation

#### **SECTION VIII - CONTROL MEASURES**

Respiratory-Protection: respiratory protection may be necessary to minimize exposure to vapors or aerosols. Depending on the nature and concentration of the airborne material, use a respirator or gas mask with appropriate filters, cartridges and canisters (NIOSH approved, if available) or supplied air equipment.

Ventilation: at least 10 air changes per hour are recommended.

Local exhaust: recommended to remove vapors when processing material.

Protective gloves: wear chemical resistant gloves when processing material.

Eye protection: safety glasses or better recommended.

Other protective clothing or equipment: protective apron, long sleeve and safety shower when processing material.

Work/hygienic practices: use good hygiene and housekeeping practice.

#### **SECTION IX - REGULATORY INFORMATION**

HMIS - Rating:

Health-2

Flammability-1

Reactivity-0

DOT Proper shipping name: not a regulated material

TSCA Status: all components of this material are registered under the regulation of the Toxic Substances Control Act.

SARA Title III Section 313

This product (If Tinted Brown) contains a toxic chemical (or chemicals) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Manganese oxide upto 1% CAS# 1313-13-9